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Notice of Allowability

Application No.

10/083,828

Examiner

Frantz Coby

Applicant(s)

MUHLESTEIN, MARK

Art Unit

2161

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to communication filed on February 27, 2002.
2. ☒ The allowed claim(s) is/are 1-25.
3. ☒ The drawings filed on 27 February 2002 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date <u>02-27-02</u> | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

Frantz Coby
Primary Examiner
Art Unit 2161

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This is in response to application filed on February 27, 2002 in which claims 1-25 are presented for examination.

Status of Claims

Claims 1-25 are pending.

Information Disclosure Statement

The information disclosure statements filed on August 08, 2003; May 29, 2003; and February 27, 2002 are in compliance with the provisions of 37 CFR 1.97, 1.98 and MPEP § 609. They have been placed in the application file and the information referred to therein has been considered as to the merits.

Allowable Subject Matter

Claims are allowable over the prior art of record.

The following is an examiner's statement of reasons for allowance: The present invention is directed to a technique for providing an enhanced level of indirection to a resource attached to a destination. The closest prior art [Bober U.S. Patent no. 6,718,372] discloses a method and apparatus for providing access by a first computing system to data stored in a shared storage device managed by a second computing system. However, Bober failed to show the claimed feature of "**comparing a content of a widelink directive with first parts of widelink entries stored in a translation**

table of a first storage system, the widelink directive generated and sent by a client to the first storage system within a first request to access the resource; substituting the content of the widelink directive with a second part of a matching widelink entry indicating a correct path to the destination; and establishing a connection from the client to the destination over the correct path to thereby provide the enhanced level of direction that enables access by the client to the requested resource". These claimed features being present in independent claims 1, 20 and 23 render claims 1-6 and 20-25 allowable over the prior art of record. Bober also failed to show the claimed limitations of "a widelink directive generated by a first computer and sent to the first storage system for storage in the memory, the widelink directive having a content defined as an original path descriptor to a resource; and a widelink entry structure adapted for storage in a symlink translation table of the memory, the widelink entry structure having a multiple-part format, wherein a first part of the widelink entry is compared with the content of the widelink directive and, if a match is found, the content of the directive is substituted with a second part of the widelink to enable access to the resource on a second storage system". These claimed features being present in independent claim 7 render claims 7-16 allowable over the prior art of record. Further, Bober failed to show the claimed feature of "a memory organized as storage locations to store data structures, including a translation table having a plurality of entries; an operating system resident in the memory, the operating system including special code configured to access the translation table in response to a widelink directive".

to compare a content of the widelink directive with the entries of the table, the special code further configured to provide a correct path to the resource attached to the remotely configured destination in response to the content of the widelink directive matching a widelink entry of the translation table". These claimed

features being present in independent claim 17 render claims 17-19 allowable over the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Frantz Coby whose telephone number is 571 272 4017. The examiner can normally be reached on Monday-Saturday 3:00PM-10:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Safet Metjahic can be reached on 571 272 4023. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Frantz Coby
Primary Examiner
Art Unit 2161

April 25, 2005